Title (en)

ACTIVE SHUTTER GLASSES AND THREE-DIMENSIONAL IMAGE RECOGNITION UNIT

Title (de)

SHUTTER-3D-BRILLE UND DREIDIMENSIONALE BILDERKENNUNGSEINHEIT

Title (fr)

LUNETTES À OBTURATEUR ACTIF ET UNITÉ DE RECONNAISSANCE D'IMAGES TRIDIMENSIONNELLES

Publication

EP 2592464 A4 20140813 (EN)

Application

EP 11803372 A 20110408

Priority

- JP 2010155942 A 20100708
- JP 2011058894 W 20110408

Abstract (en)

[origin: EP2592464A1] Disclosed are active shutter glasses and a three-dimensional image recognition unit capable of visually recognizing a three-dimensional image with excellent display quality. The active shutter glasses are active shutter glasses for three-dimensional image recognition. The active shutter glasses comprise a right temple, a left temple, a right-eye lens, and a left-eye lens. The right-eye lens and the left-eye lens comprise liquid crystal cells. The right-eye lens and the left-eye lens have an inclination with respect to a state where the right-eye lens and the left-eye lens are arranged on the same plane, and are arranged on a surface orthogonal to a horizontal surface including the top surfaces of the right temple and the left temple. The direction of inclination of the right-eye lens is the direction in which the outer edge of the right-eye lens approaches an observer side at an azimuth angle Æ 2 in a range of ±45° with respect to an azimuth angle Æ 1 , at which a contrast ratio has a maximum value, at a polar angle ¸ 1 having an angle difference in a range of 2 to 17° from a line normal to the surface of the right-eye lens when not inclined. The direction of inclination of the left-eye lens is the direction in which the outer edge of the left-eye lens approaches the observer side at an azimuth angle Æ 4 in a range of ±45° with respect to an azimuth angle Æ 3 , at which a contrast ratio has a maximum value, at a polar angle ¸ 2 having an angle difference in a range of 2 to 17° from a line normal to the surface of the left-eye lens when not inclined.

IPC 8 full level

G02B 27/22 (2006.01); **G02C 7/10** (2006.01); **G03B 35/16** (2006.01); **H04N 13/04** (2006.01)

CPC (source: EP US)

G02B 30/24 (2020.01 - EP US); **G02C 7/101** (2013.01 - US); **G03B 35/26** (2013.01 - EP US); **H04N 13/341** (2018.04 - EP US); H04N 2213/008 (2013.01 - EP US)

Citation (search report)

- [XYI] US 6266106 B1 20010724 - MURATA HARUHIKO [JP], et al
- [Y] GB 2442035 A 20080326 - BIRD PAUL [GB]
- [AD] WO 2009037940 A1 20090326 - NEC CORP [JP], et al
- [A] JP 2001311950 A 20011109 - VICTOR COMPANY OF JAPAN
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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2592464 A1 20130515; **EP 2592464 A4 20140813**; CN 102971660 A 20130313; CN 102971660 B 20151125; US 2013107145 A1 20130502; US 8922724 B2 20141230; WO 2012005036 A1 20120112

DOCDB simple family (application)

EP 11803372 A 20110408; CN 201180033390 A 20110408; JP 2011058894 W 20110408; US 201113808796 A 20110408